

## Java Programming MCQ Question Answer

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Question: 1. Which of the following will produce a value of 22 if x=22.9:

- Option A. Ceil(x)
- Option B. Round(x)
- Option C. Rint(x)
- Option D. Abs(x)

Question: 2. If m and n are int type variables, what will be the result of the expression 'm % n' when m = -14 and n = -3?

- Option A. 4
- Option B. 2
- Option C. -2
- Option D. -4

Question: 3. Consider the following statements:

```
int x = 10, y = 15;  
x = ((x < y) ? (y + x) : (y - x));
```

What will be the value of x after executing these statements?

- Option A. 25
- Option B. 15
- Option C. 5
- Option D. Error can't be executed.

Question: 4. Which of the following will produce a value of 10 if x = 9.7?

- Option A. floor(x)
- Option B. abs(x)
- Option C. rint(x)
- Option D. round(x)

Question: 5. Which of the following control expressions are valid for an if statement?

- Option A. an integer expression
- Option B. a Boolean expression
- Option C. either A or B
- Option D. Neither A or B

Question: 6. Consider the following class definition.

```
Class Student extends String
```

```
{  
}
```

What happens when we try to compile this class?

- Option A. Will not compile because class body is not defined
- Option B. Will not compile because class is not declared public
- Option C. Will compile successfully.
- Option D. Will not compile because String is abstract

Question: 7. What is wrong in the following class definitions?

```
abstract class print {  
    abstract show();  
}  
class Display extends print {  
}
```

- Option A. Nothing is wrong
- Option B. Wrong Method show() should have a return type
- Option C. Wrong Methods show() is not implemented in Display
- Option D. Wrong Display does not contain any members.

Question: 8. What is error in the following class definitions?

```
abstract class xy {  
    abstract sum(int x, int y) {  
    }  
}
```

- Option A. class header is not define properly
- Option B. constructor is no defined
- Option C. method is not defined properly
- Option D. no error

Question: 9. Consider the following class definitions:

```
class maths {  
    student student1;  
}  
class student {  
    String name;  
}
```

This code represents:

- Option A. an 'is a' relationship
- Option B. a 'has a' relationship
- Option C. both

Option D. neither

Question: 10. Which key word can protect a class in package from accessibility by the classes outside the package?

Option A. private

Option B. protected

Option C. final

Option D. don't use any keyword at all(make it default)

Question: 11. We would like to make a member of a class visible in all subclasses regardless of what package they are in. Which one of the following keywords would achieve this?

Option A. private

Option B. protected

Option C. public

Option D. private protected

Question: 12. The use of protected keyword to a member in a class will restrict its visibility as follows:

Option A. Visibility only in the class and its subclasses in the same package.

Option B. Visibility only inside the same package.

Option C. Visibility in all classes in the same package and subclasses in other packages.

Option D. Visibility only in the class where it is declared.

Question: 13. Which of the following are not keywords?

Option A. NULL

Option B. Implements

Option C. Protected

Option D. None of the above

Question: 14. Which of the following are keywords?

Option A. integer

Option B. default

Option C. Boolean

Option D. Object

Question: 15. Which of the following keywords are used to control access to a class member?

Option A. default

Option B. protected

Option C. interface

Option D. None of the above

Question: 16. The keywords reserved but not used in the initial version of Java re:

- Option A. Synchronized
- Option B. Boolean
- Option C. union
- Option D. goto

Question: 17. A package is a collection of

- Option A. classes
- Option B. interface
- Option C. editing tools
- Option D. classes and interfaces

Question: 18. Which of the following statements are true?

- Option A. An abstract class may not have any final methods?
- Option B. A final class may not have any abstracts methods.
- Option C. Transient variables must be static.
- Option D. all of the above

Question: 19. The concept of multiple inheritance is implemented in Java by

- Option A. extending two or more classes
- Option B. extending one class and implementing one or more interfaces
- Option C. all the above

Question: 20. Which of the following statements are valid array declarations?

- Option A. `int number();`
- Option B. `float average[];`
- Option C. `double[] marks;`
- Option D. `counter int[];`

Question: 21. Which of the following classes are available in the `java.lang` package?

- Option A. Random
- Option B. Stack
- Option C. String Buffer
- Option D. Vector

Question: 22. Which of the following are the wrapper classes?

- Option A. Random
- Option B. Vector
- Option C. Byte
- Option D. all of the above

Question: 23. Which of the following methods belong to the `String` class?

- Option A. `length()`

- Option B. compareTo()
- Option C. substring()
- Option D. all of the them

Question: 24. Given the code

```
String s = new String("abc");
```

Which of the following calls are valid?

- Option A. s.toUpperCase()
- Option B. s.append("xyz")
- Option C. s.setCharAt(1<'A')
- Option D. all of the above

Question: 25. The methods wait() and noify() are defined in

- Option A. java.lang.Thread
- Option B. java.lang Runnable
- Option C. java.lang.Object
- Option D. java.lang.ThreadGroup

Question: 26. When we invoke repaint () for a Component, the AWT invokes the method:

- Option A. draw()
- Option B. update()
- Option C. show()
- Option D. paint()

Question: 27. What does the following line of code do?

```
TextField text=new TextField(10);
```

- Option A. Creates text object that can hold 10 rows of text.
- Option B. Creates text object that can hold 10 columns of text.
- Option C. Creates the object text and initializes it with the value 10.
- Option D. The code is illegal.

Question: 28. Which of the following methods can be used to draw the outline of a square?

- Option A. fillRect()
- Option B. drawLine()
- Option C. drawString()
- Option D. all of the above

Question: 29. Which of the following methods can be used to change the size of a  
size() \*

resize()

- Option A. component
- Option B. dimension()
- Option C. setSize()

Option D. size()

Question: 30. Which of the following methods can be used to remove a component from the display?

Option A. remove()

Option B. disappear()

Option C. hide()

Option D. move()

Answer Sheet

|    |   |  |
|----|---|--|
| 1  | C |  |
| 2  | C |  |
| 3  | A |  |
| 4  | D |  |
| 5  | B |  |
| 6  | D |  |
| 7  | C |  |
| 8  | C |  |
| 9  | B |  |
| 10 | D |  |
| 11 | D |  |
| 12 | C |  |
| 13 | A |  |
| 14 | B |  |
| 15 | B |  |
| 16 | D |  |
| 17 | D |  |
| 18 | B |  |
| 19 | B |  |
| 20 | B |  |
| 21 | A |  |
| 22 | C |  |
| 23 | D |  |
| 24 | A |  |
| 25 | C |  |
| 26 | B |  |
| 27 | B |  |
| 28 | B |  |
| 29 | C |  |
| 30 | C |  |